# BinDecHex

Donald W Millican

| COLLABORATORS | | | |
|---|---|---|---|

| | *TITLE* :<br><br>BinDecHex | | |
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| *ACTION* | *NAME* | *DATE* | *SIGNATURE* |
| WRITTEN BY | Donald W Millican | February 23, 2023 | |

| REVISION HISTORY | | | |
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| NUMBER | DATE | DESCRIPTION | NAME |
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# Contents

# Chapter 1

# BinDecHex

## 1.1 Contents

BinDecHex

BinDecHex and this AmigaGuide is created
by Donald W Millican and (C) Copyright 2001 DWM Productions.

## 1.2 What is it?

BinDecHex is a conversion utility for converting ↩
between
Binary, Decimal & Hexadecimal.

To discover why I created BinDecHex click
here
.

If you want to run it you'll want to know the
system requirements

.

```
Or jump straight to
    usage
     for instructions on
how to access the program.
```

## 1.3  System Requirements

```
                  Minimum system required (this is untested):

An Amiga, 30Kb RAM, Workbench 2.05

Recommended system:

Amiga1200, 50Kb RAM free, Workbench 3.0+


Development system:

Hardware
Amiga1260T in Power Tower, Blizzard 1260 with 16Mb RAM,
6.4Gb hard disk, Philips 109S10 19" monitor,
2Gb JAZ2 drive, Pace 'Solo' 56K Modem.

Software
Workbench 3.9, StormC3.0
```

## 1.4  Legal

```
            This program is Emailware.
In the event that you find this program useful, send me an email.

It is freely distributable and no profit should be made from it.

BinDecHex is provided 'as is' and the author cannot be held responsible
for any damage or data loss occurred as a result of running this program.
(I would hope that none of my programs cause any damage).

BinDecHex is (C) Copyright DWM Productions ie. Donald W Millican
The BinDecHex code is copyright and its code and/or design cannot be
altered or used in full or in part.
The whole program cannot be changed and redistributed without my consent.
This document may be updated for any re-release but the legal section must
remain unchanged. The program can be spread anywhere but I request that all
```

the files be kept together including all of this document.

## 1.5   How to use the program

                              Enter a value in one of three ways :
Decimal (e.g. 21)
Binary (e.g. 10101)
Hexadecimal (e.g. 15)

Choose which type of conversion you would like and click 'OK'.
The conversion will be performed and the answer will appear
in the entry box.

Please note that the program makes no attempt to ensure that
when for instance converting Binary to Decimal that the correct
type of number has been entered, therefore unexpected results
may occur.

To empty the entry box click the 'Clear' button.

Note:

When converting from Binary to Decimal the program will ask you
if the Binary number is positive or negative. This is because it
is difficult to distinguish which type the Binary number is.

Because a Hexadecimal number cannot be negative or fractional
the program will not let you try to convert to or from
Hexadecimal in those circumstances.

Additionally, although two-way conversion between negative
decimal and negative binary is possible, the program cannot
yet convert fractional numbers and once again will stop you
if you try to do so.

## 1.6   Why did I create it?

              Having written one conversion program - 'EasyConvert' - I  ←
                  decided to
create another but slightly different one. This one is more for
the programmer whereas the former is for anybody.

Once again, there are various other programs you can use but I regarded
this project as a challenge as unlike 'EasyConvert' I didn't have the

conversion formulae to hand when writing the code.
Instead I had to research the various types of conversion.


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## 1.7  Author

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        DWM Productions: http://millican.cjb.net/dwm/indexdwm.html
        Glasgow Amiga User Group: http://gaug.cjb.net
        The Amiga Computer: http://amigacomputer.cjb.net
                        ^                      ^
                        |                      |
                    *** BinDecHex homepage ***

        Rutherglen Baptist Homepage: http://rutherglenbaptist.cjb.net


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## 1.8  History

                *** Pre-Program History ***
17/12/00 : Version 0.1 : Decimal to Binary routine written
27/12/00 : Version 0.2 : Binary to Decimal routine written

*** Next three functions can only use integers and numbers exactly divisible by 16
27/12/00 : Version 0.3 : Decimal to Hexadecimal routine written
28/12/00 : Version 0.4 : Hexadecimal to Decimal routine written
28/12/00 : Version 0.5 : Binary <-> Hexadecimal routine written

10/01/01 : Version 0.6 : First part of above item re-written
11/01/01 : Version 0.7 : Second part of above item re-written
13/01/01 : Version 0.8 : Negative DectoBin routine written
18/01/01 : Version 0.9 : Negative BintoDec routine written
08/05/01 : Version 0.10 : Negative conversion bugs fixed
08/05/01 : Version 0.15 : GUI added

```
***Program History ***
17/06/01 : Version 0.20 : Intial Release
```

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## 1.9   Releases under the DWM Productions label

```
                    I have released several programs.
        They are as follows:

        CycleDBase:
        Database primarily for my benefit for recording cycle trips.
        Offers loading, saving and extensive search facilities.
        On Aminet as util/misc/CycleDBase.lha
        Also on website: http://amigacomputer.cjb.net/programs/cycledbase.html

        Easy Convert:
        Converts to and from a number of measurements. Many satisfied users.
        Deliberately simplistic interface.
        On Aminet as util/conv/EasyConvert.lha
        Also on website: http://amigacomputer.cjb.net/programs/easyconvert.html

        Calculator:
        A fully functional calculator.
        On Aminet as util/misc/Calculator.lha
        Also on website: http://amigacomputer.cjb.net/programs/calculator.html

        EasyReset:
        System reset utility which checks you actually want to reset
        before doing so.
        On Aminet as util/wb/EasyReset.lha
        Also on website: http://amigacomputer.cjb.net/programs/EasyReset.html

        BinDecHex:
        Converts between Binary, Decimal & Hexadecimal numbers.
        On Aminet as util/conv/BinDecHex.lha
        Also on website: http://amigacomputer.cjb.net/programs/BinDecHex.html

        Quotes:
        A 'cookie' like program which loads in sayings from a file
        and randomly puts them together to make weird messages. Has been known
        to cause system crashes - USE AT YOUR OWN RISK.
        On Aminet as util/wb/Quotes.lha
        Also on website: http://amigacomputer.cjb.net/programs/quotes.html

        Vowel Count:
        A silly program which counts the number of vowels
        in an entered string and then displays statistics
        of its findings and the string (minus vowels).
        On Aminet as util/misc/Vowel.lha
```

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